

REMARKS

Claims 14-17 are active.

Claims 1-13 have been cancelled.

Claims 14-17 have been amended.

Support for Amendments

Support for all amendments can be found in the specification as filed, or in the certified English translation of the foreign priority application, Japanese Application 2001-318032, filed on October 16, 2001, which is incorporated by reference, at page 20, lines 7-8, of the specification. The certified English translation of the foreign priority application is supplied herewith for the Examiner's convenience.

Specific support for the amendment is indicated below:

On pages 1, 2, 3, 4, 5, 13, 15 and 16, of the specification, the term “accelerator” has been replaced by promoter to correct translation errors. Support is found in the foreign priority application (see e.g., paragraph [0002], lines 6, 13).

On pages 2, 3, 5, 7, 9, 11, 12, 14, 16, and page 19 - Table 5, of the specification, “burned” has been replaced by baked, “burning” has been replaced by baking to correct translation errors. Support is found in the foreign priority application (see e.g., paragraph [0005], line 9).

On page 1, line 14 of the specification, support is found for the correction of the typographic error “tip” to up in the same paragraph.

On page 2, lines 4-5 of the specification, “pulling up equipment” has been replaced by crystal puller and support is found in the context of the change within the same paragraph.

On page 4, line 18, of the specification, “integrated structurally to” is replaced by baked on and support is found in the same paragraph.

On pages 1, 4, of the specification, “soils” and “impurities” has been replaced by contaminants to correct translation errors. Support is found in the foreign priority application (see e.g., paragraph [0003] last line).

On page 4, lines 7 and 12, of the specification, "pulling up" has been replaced by production to correct a translation error. Support is found in the specification in the context of the correction, in the paragraph below at page 4, lines 8-17, where the method of the single crystal production is explained.

On page 4, last paragraph of the specification, support is found in the context of the changes within the same paragraph.

On page 6, line 9 of the specification, “iso-valerie” is replaced by iso-valeric” and in page 7, line 19, ”y” is replaced by γ ,to correct typographic errors. Support is found in the specification in the referenced lines.

On page 11, line 1, of the specification, "1 μm " was replaced by 10 μm to correct a typographical error and support is found in the foreign priority application (see page 16, line 12).

On page 11, line 17, of the specification, “11" is replaced by 1-liter is added to correct a typographical error. Support is found in the context of the change, within the same paragraph.

On page 12, line 21, of the specification, “sodium” has been replaced by barium to correct a translation error. Support is found in the specification in the same line.

On page 13, line 11, of the specification, the added sentence defines the dislocation free ratio as kilograms of dislocation free single crystal per kilograms of polysilicon charged to the crucible as a yield. Dislocation free ratio is a conventional phrase to describe the yield and is used by persons who have skill in the art as shown in attached references. For example, in Science of Silicon, Surface Science Technology Series No.3, 1st Edition, published June

28, 1996, page 60, 1st paragraph refers to dislocation free yield of single crystals produced from melts of 100 kg-300 kg, and page 74, 2nd paragraph state that decrease in dislocation free yield increases the cost per kg of dislocation free single crystals. Further, in Van Nostrand Scientific Encyclopedia, 8th Edition on CD-ROM, the dislocation free single crystals are measured in kg.

On page 16, line 3, of the specification, “ m/g” has been replaced by g/cm² , to correct inconsistent units and support is found in the specification, at Table 5, last line, and at page 16, line 12.

On page 19, Table 4 and page 20, Table 6, of the specification, "Rates of Single Crystallization" has been replaced by Dislocation free ratio %. Support is found at page 13, lines 10-11, and at page 15, lines 13-22.

Claims 1-3 have been cancelled.

Claims 14-17 have been amended.

Claim 14, at page 22, line 20, claim 15 at page 2, line 1, and claim 16, at page 23, line 7, “accelerator” has been replaced by promoter to correct the translation error and support is found in the foreign priority application (see e.g. paragraph [0002], lines 6, 13).

Claim 14, at page 22, line 20-21, the phrase “at least a portion of” has been replaced by the whole or a part of to clarify that the entire outside surface of the crucible is considered by the claim coverage, and support is found in the specification at page 3, lines 17-19.

Claim 17, at page 23, line 9, the term "pulling up" has been replaced by production of to correct a translation error and support is found in the context of the change, in the specification at page 4 in the paragraph beginning at line 8.

Accordingly, Applicants believe that no new matter has been added by the present amendment.

Appl. No.: 10/720,122
Preliminary Amendment

Applicants submit that the present application is in condition for examination on the merits, and an early notification to that effect is earnestly solicited.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C



Norman F. Oblon
Attorney of Record
Registration No.: 24,618

Rohitha M. Jayasuriya
Registration No. 50,385

Customer Number

22850

PHONE: (703) 413-3000
FAX: (703) 413-2220